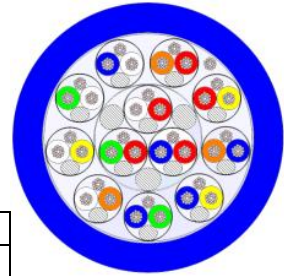


CRE14222



Issue	Date	Approved	Note
1	20/08/14	PM	Initial release

DESCRIPTION

Bespoke multi-pair cable for data communications used in subsea and similar applications.

Product Details (Insulated Cores)

Component Description	Qty	Conductor Stranding	Nominal DCR @ 20oC [Ω /Km]	Weight Kgs/Km]	Nominal Diameter [mm]
0.50 mm ² Insulated Core	24	16/0.2mm TC	39	6.1	1.62 mm

CONSTRUCTION

0.50mm² TSP

Colours	See table 1
Insulation	High Density Polyethylene
Insulation Diameter	1.65mm
Drainwire	0.50mm ² Tinned Copper + Filler
Screen	Aluminium Polyester Tape
Isolation	Bonded Polyester

TABLE 1.	
COLOUR 1	COLOUR 2
RED	WHITE
RED	BLUE
RED	GREEN
RED	ORANGE
RED	YELLOW
BLUE	ORANGE
BLUE	YELLOW
BLUE	GREEN
WHITE	ORANGE
WHITE	YELLOW
WHITE	GREEN
WHITE	BLUE

Cable Assembly

Cable Layer 1	3 x 0.5 TSP cabled with additional fillers as required.
Lay direction	Left Hand
Binder	Polyester Tape
Cable Layer 2	9 x 0.5 TSP cabled around layer 1.
Lay direction	Left Hand
Drainwire	0.5mm ² Tinned Copper
Screen	Aluminium Polyester Tape
Coverage	> 100%
Outer jacket	Polyurethane 85 Shore 'A' Hardness
Colour	Blue
Radial Wall Thickness	2.0mm nominal
Diameter	18.5mm +/-0.5mm

CABLE CHARACTERISTICS

Operating Temperature	-40°C to +80°C
Cable Weight in Air	382 Kgs/Km
Cable Weight in Seawater	110 Kgs/Km
Bend Radius Static	5X Diameter
Bend Radius Dynamic	10X Diameter